

**WHAT IS CLAIMED IS:**

1. A video processing apparatus, for receiving television signals and for generating an output signal suitable for coupling to a display device for producing a displayable image, the apparatus comprising:

5 means for selecting a television signal from a plurality of received television signals;

control means for controlling said video processing apparatus; and

means for determining the signal strength of said selected television signal, wherein

10 said control means causes said video processing apparatus to operate in one of a first mode of operation during which said selected television signal is included in said output signal for display in said displayed image; and

a second mode of operation during which said signal strength is displayed on said display device concurrently with said selected television signal.

15 2. The video processing apparatus of claim 1, wherein said means for determining signal strength includes means for updating said signal strength of said selected television signal and said second mode of operation includes showing the update of signal strength.

3. The video processing apparatus of claim 2, wherein said means for  
20 updating includes means for determining whether a television signal is digital or analog, and said second mode of operation includes means for displaying whether said television signal is digital or analog.

4. A video processing apparatus comprising:

25 means for receiving a plurality of television signals having audio and video information components;

means for displaying the video information component of a selected said television signal on a display device coupled to said video processing apparatus;

means for determining signal strength of each one of the plurality of television signals; and

30 means for selectively displaying the signal strength of the selected television signals while the audio and video of the selected channel is active.

5. The video processing apparatus of claim 4, wherein said means for selectively displaying includes means for selectively displaying signal strengths of a plurality of television signals in a grid format while the audio and video of the selected television signal is active.

6. The video processing apparatus of claim 4, wherein said means for selectively displaying includes means for selectively displaying whether a television signal is analog or digital.

7. The video processing apparatus of claim 5, further comprising:  
means for updating in real-time the signal strength of the selected

television signal.

8. The video processing apparatus of claim 4, further comprising:  
means for storing in memory a channel number associated with the television signals when the signal strength exceeds a predetermined threshold level.

9. A method of positioning an antenna for receiving digital television signals comprising:

- a. selecting an initial position for said antenna;
- b. displaying the signal strength of each received digital signal; and
- c. selecting a final reception position for said antenna based on the

measured signal strength of at least one channel.

10. The method of claim 9 wherein the step of selecting an initial position and the step of displaying is repeated until the signal strength of each received digital signal is optimized.

11. The method of claim 9, wherein the digital signals are concurrently audible and viewable during real-time display of signal strength for a selected channel.

*add A2*